

Appendix C
Truck Mounted High Purity Germanium Detector Surveys

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This appendix provides figures that were generated using the INEEL's truck mounted high purity germanium detectors (either on a Hummer or other four-wheel drive vehicle) to perform field screening of the TSF-06 Area B and TSF-26 sites for Cs-137.

Although the figures may show "hot spots" or areas of elevated gamma-emitting radionuclide concentrations, it is impossible to correlate the counts per second output from the high purity germanium detector surveys to a direct radionuclide activity (e.g., Cs-137 pCi/g) because there is no way to know which gamma-emitting radionuclides are contributing to the total counts per second readings. However, the output from the high purity germanium detector surveys was useful to determine areas to target sampling, and was also useful in a field screening capacity for areas of relatively low contamination levels to confirm that elevated activity levels are not present in these areas.

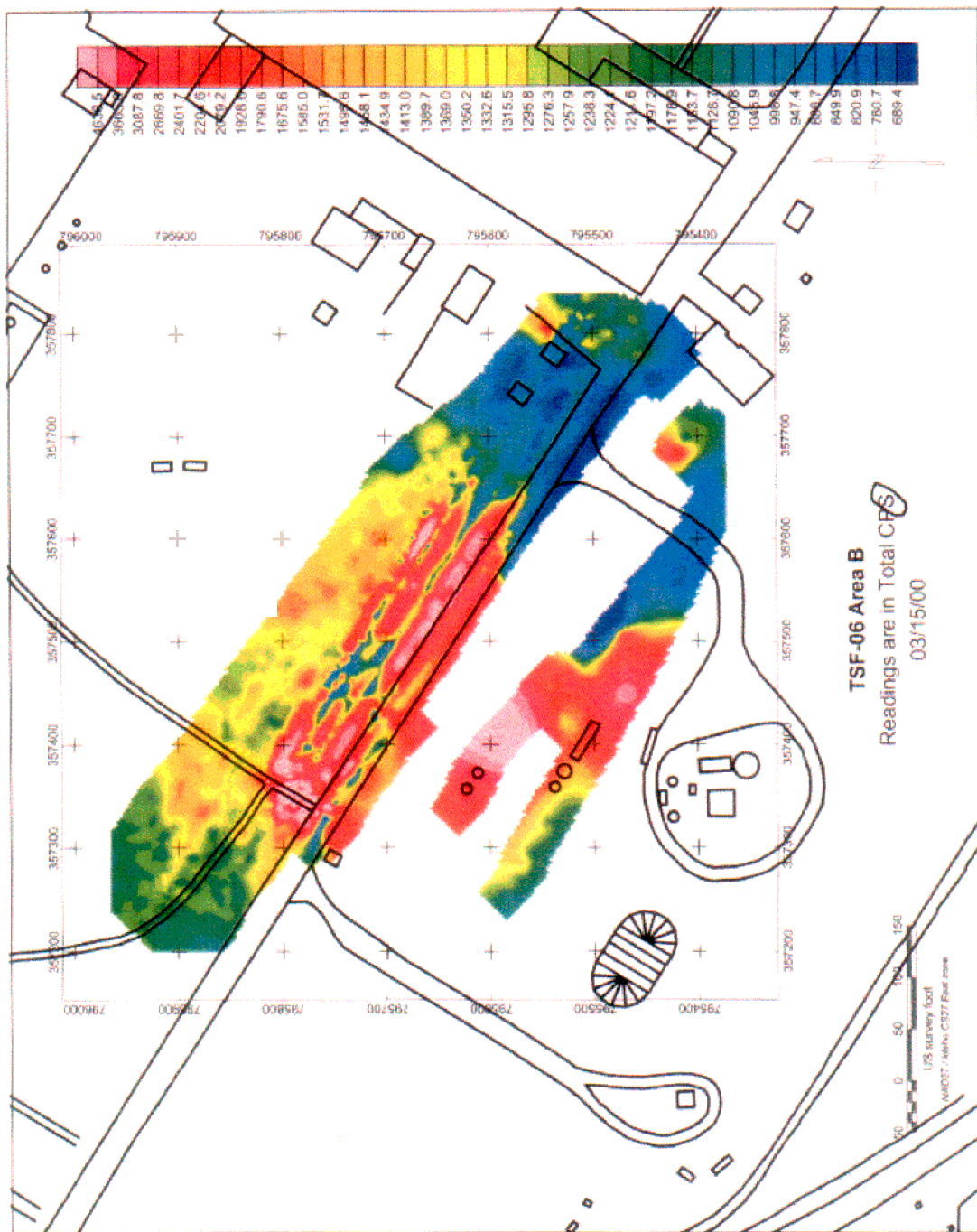


Figure C-1. Initial TSF-06 Area B field survey and TSF-26 partial survey, March 2000.



Figure C-2. Additional TSF-06 field survey and TSF-26 perimeter March 2000.

March 2000.

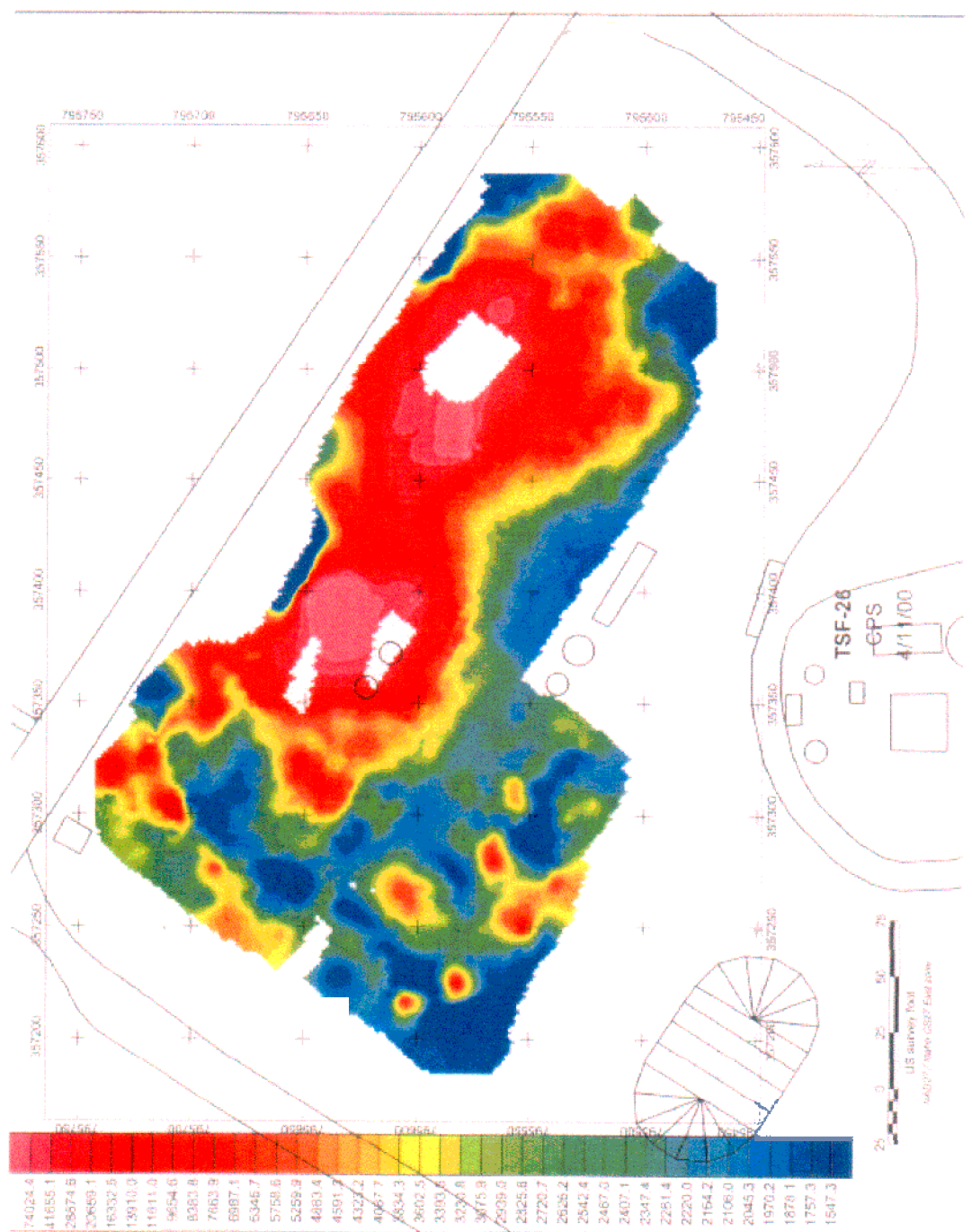


Figure C-3. Completed field survey of TSF-26 prior to stockpile and wooden box excavation, April 2000.

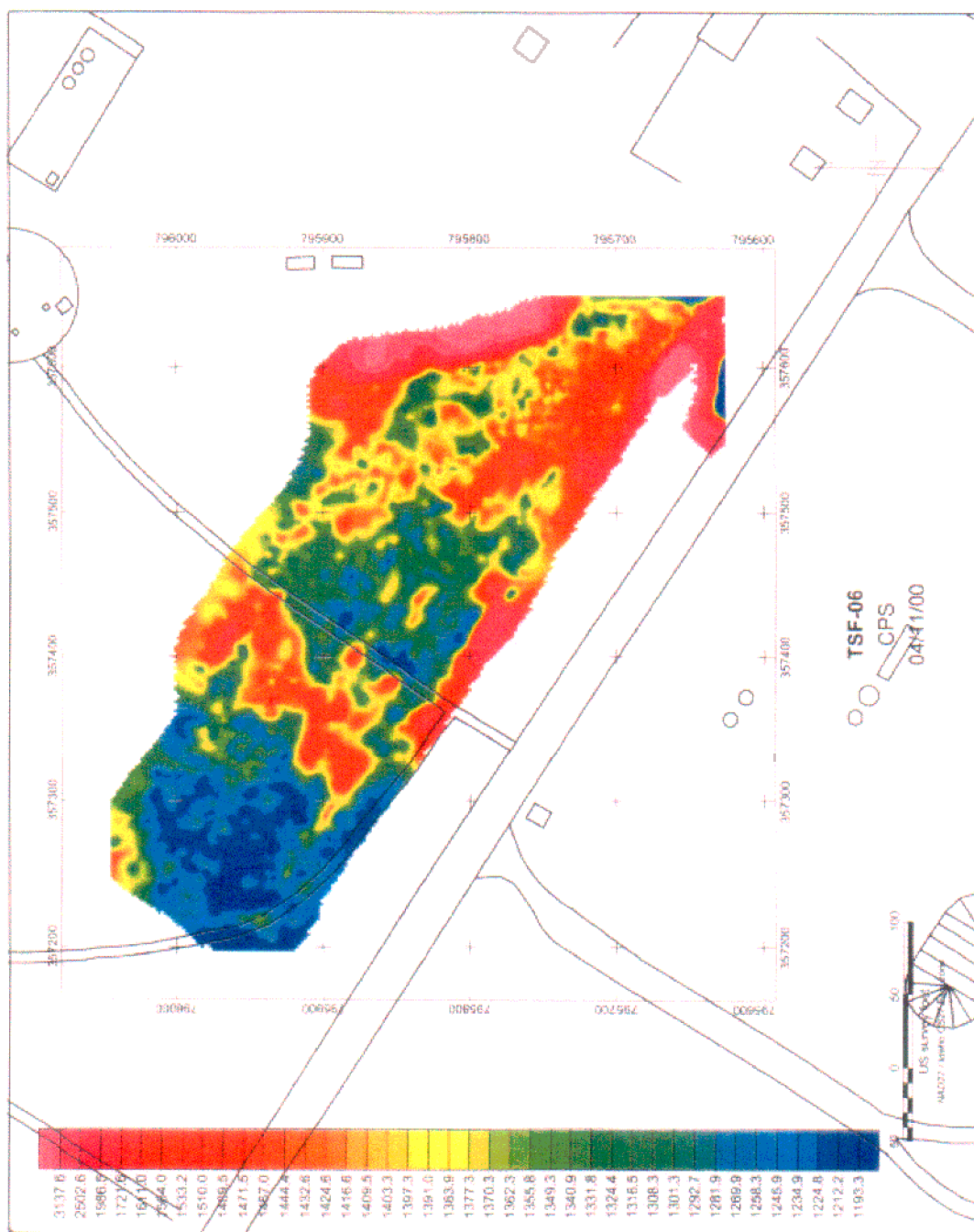


Figure C-4. Field survey of TSF-06 north of remaining contamination associated with TSF-06 Area B, April 2000.

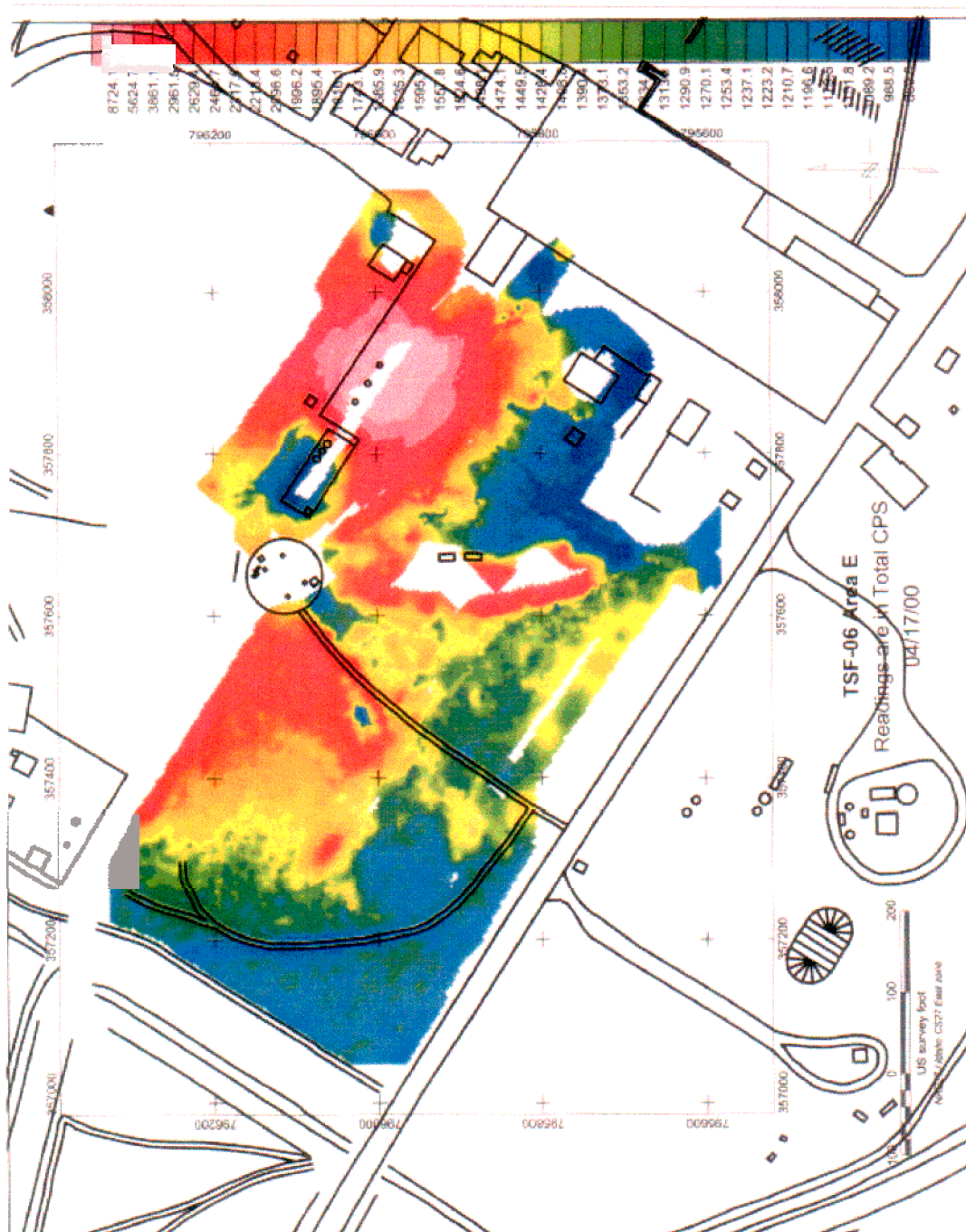


Figure C-5. Field survey of remaining TSF-06 areas, April 2000.

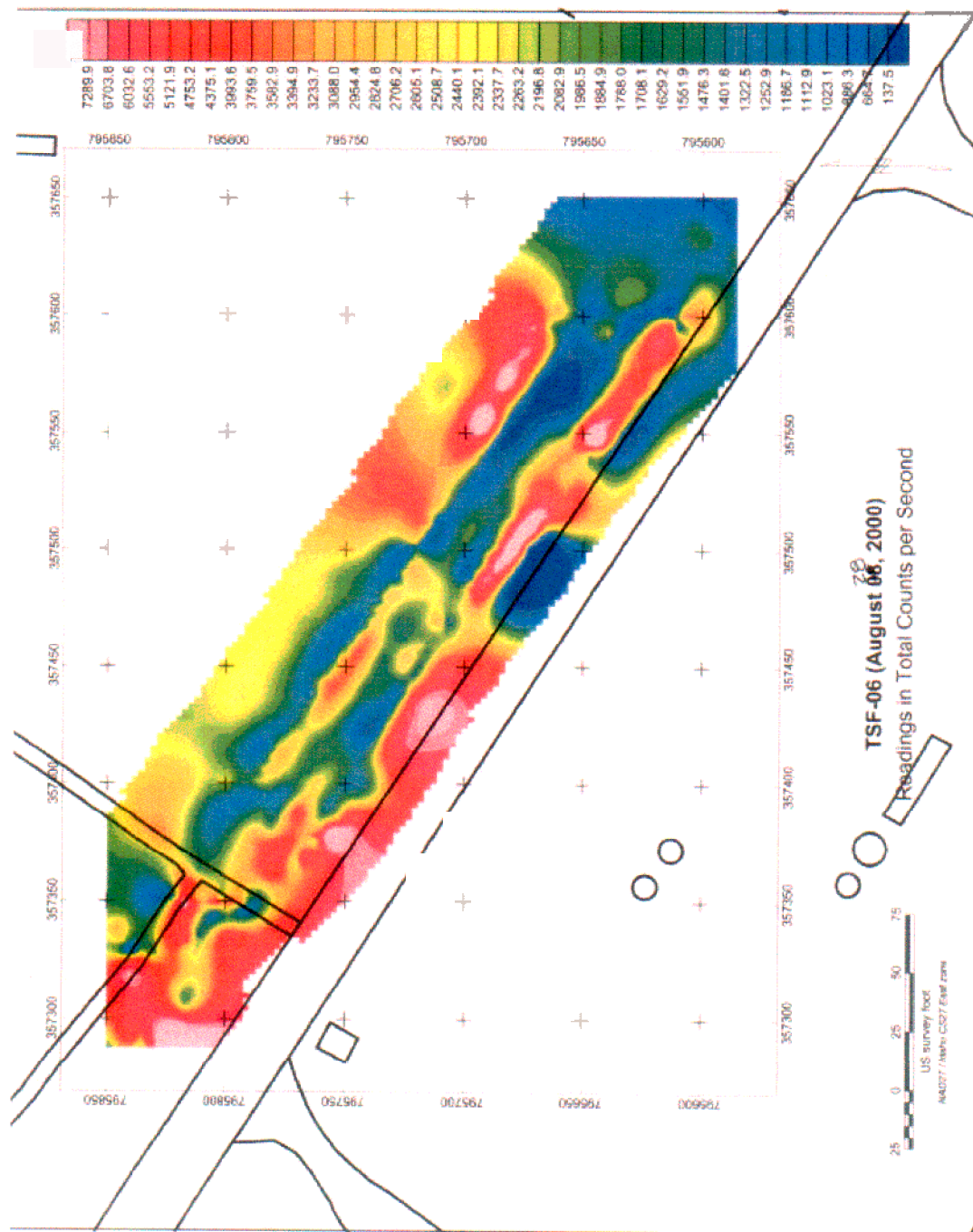


Figure C-6. Field survey of TSF-06 Area B north of Snake Avenue following excavation of overburden, August 2000.

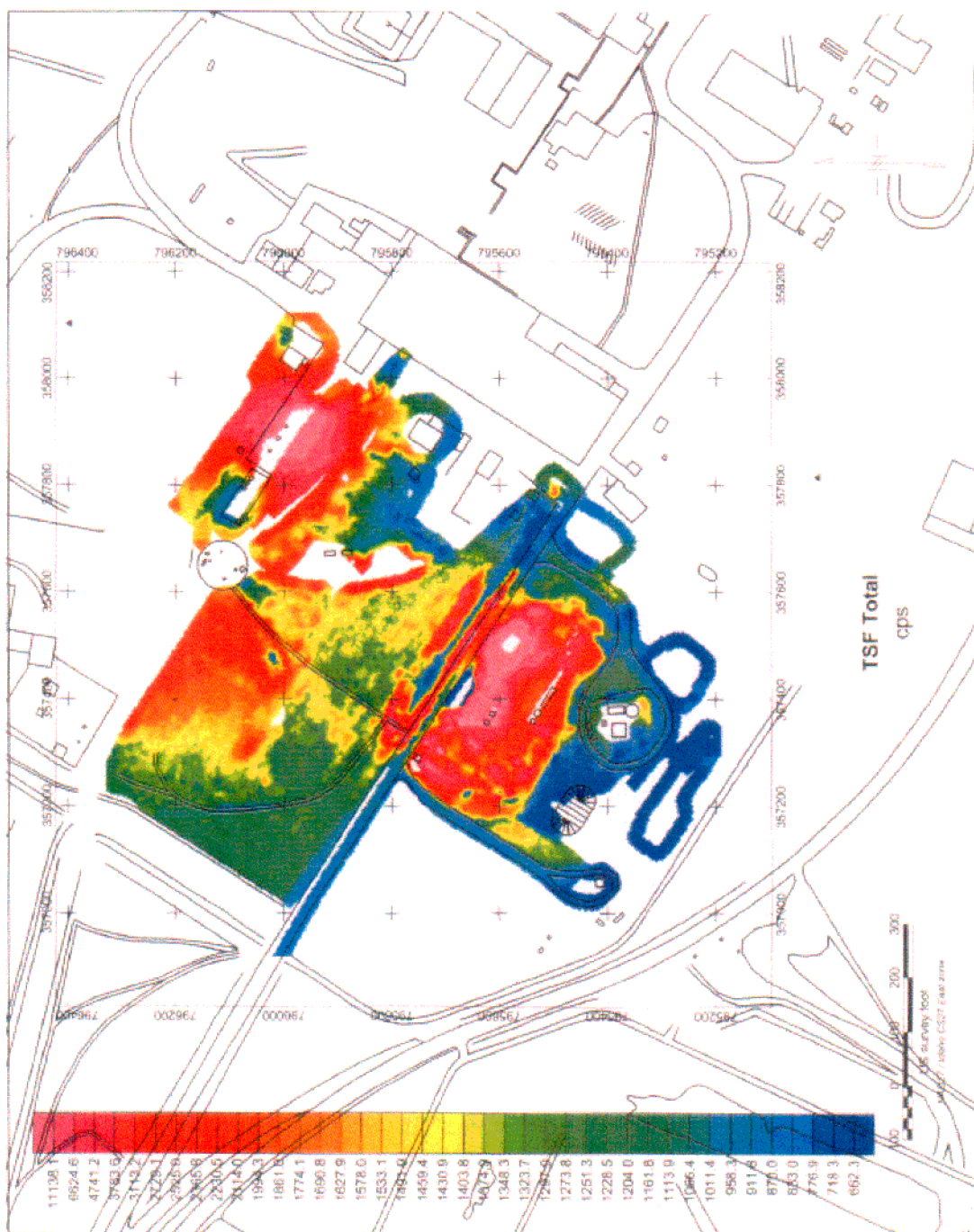


Figure C-7. Compilation of TSF-06 and TSF-26 field surveys completed during calendar year 2000.